

AMENDMENTS TO THE CLAIMS

Claim 1. (Cancelled)

Claim 2. (Currently Amended) An unbaked laminate for producing a front plate of a plasma display device having a glass substrate having a surface on which electrodes are formed, a dielectric layer formed on said surface, and spacer layers formed on said dielectric layer, said laminate consisting of:

a removable support film;

a photosensitive unbaked spacer material layer formed on said removable support film;

and

a burnable intermediate layer formed on said spacer material layer, said intermediate layer being water-soluble or water-swellable; ~~and optionally a removable protection film covering a surface of said laminate, said surface being on the other side of said removable support film.~~

Claim 3. (Previously Presented) An unbaked laminate for producing a front plate of a plasma display device having a glass substrate having a surface on which electrodes are formed, a dielectric layer formed on said surface, and spacer layers formed on said dielectric layer, said laminate comprising:

a removable support film;

a photosensitive unbaked spacer material layer formed on said removable support film;

a burnable intermediate layer formed on said spacer material layer, said intermediate layer being water-soluble or water-swellable; and

a non-photosensitive unbaked dielectric layer formed on said burnable intermediate layer, said dielectric layer consisting of a glass paste material.

Claim 4. (Cancelled)

Claim 5. (Previously Presented) The unbaked laminate according to claim 2, wherein said spacer material layer consists of a photosensitive glass paste material which is capable of being developed by the use of water.

Claims 6 and 7. (Cancelled)

Claim 8. (Previously Presented) A method for producing a front plate of a plasma display device having a glass substrate having a surface on which electrodes are formed, a dielectric layer formed on said surface, and spacer layers formed on said dielectric layer, said method comprising the steps of:

(a) forming on said surface of the substrate a non-photosensitive unbaked dielectric layer consisting of a glass paste material, a burnable intermediate layer which is water-soluble or water-swellaable, and a photosensitive unbaked spacer material layer in this order;

(b) irradiating said spacer material layer with a patterning light, and developing said spacer material layer, to constitute a patterned spacer material layer;

(c) baking said non-photosensitive unbaked dielectric layer, said burnable intermediate layer, and said patterned spacer material layer simultaneously, to burn up said burnable intermediate layer and forming said dielectric layer and said spacer layers on said glass substrate simultaneously.

Claim 9. (Previously Presented) The method for producing the front plate of the plasma display device according to claim 8, wherein said step (a) comprises:

forming on a removable support film a burnable intermediate layer which is water-soluble or water-swellaable, and said unbaked dielectric layer consisting of a glass paste material in this order to prepare a laminate;

attaching said laminate on said glass substrate so that said unbaked dielectric layer faces said surface of said glass substrate, said surface having said electrodes;

removing said removable support film from said burnable intermediate layer, to uncover said burnable intermediate layer; and

forming a photosensitive unbaked spacer material layer on said burnable intermediate layer.

Claim 10. (Previously Presented) The method for producing the front plate of the plasma display device according to claim 8, wherein said step (a) comprises:

forming on a removable support film a photosensitive unbaked spacer material layer, and a burnable intermediate layer which is water-soluble or water-swellaable in this order to prepare a laminate;

forming said non-photosensitive unbaked dielectric layer consisting of a glass paste material on the surface of said glass substrate, said surface having said electrodes; and

attaching said laminate on said unbaked dielectric layer so that said burnable intermediate layer faces said unbaked dielectric layer.

Claim 11. (Previously Presented) The method for producing the front plate of the plasma display device according to claim 8, wherein said step (a) comprises:

forming on a removable support film a photosensitive unbaked spacer material layer, a burnable intermediate layer which is water-soluble or water-swellaable, and said unbaked dielectric layer consisting of a glass paste material in this order to prepare a laminate; and

attaching said laminate on said glass substrate so that said unburned dielectric layer faces the surface of said glass substrate, said surface having said electrodes.

Claim 12. (Previously Presented) The unbaked laminate according to claim 2, further comprising a removable protection film covering a surface of said laminate, said surface being on the other side of said removable support film.

Claim 13. (Previously Presented) The unbaked laminate according to claim 3, wherein said spacer material layer consists of a photosensitive glass paste material which is capable of being developed by the use of water.

Claim 14. (Previously Presented) The unbaked laminate according to claim 2, wherein said burnable intermediate layer comprises a resin selected from the group consisting of a polyvinyl alcohol, a polyvinyl alcohol derivative, a water-soluble cellulose, and mixtures thereof.

Claim 15. (Previously Presented) The unbaked laminate according to claim 2, wherein said burnable intermediate layer has a thickness of 5 micrometers or less.

Claim 16. (Previously Presented) The unbaked laminate according to claim 3, further comprising a removable protection film covering a surface of said laminate, said surface being on the other side of said removable support film.

Claim 17. (Previously Presented) The unbaked laminate according to claim 3, wherein said burnable intermediate layer comprises a resin selected from the group consisting of a polyvinyl alcohol, a polyvinyl alcohol derivative, a water-soluble cellulose, and mixtures thereof.

Claim 18. (Previously Presented) The unbaked laminate according to claim 3, wherein said burnable intermediate layer has a thickness of 5 micrometers or less.

Claim 19. (New) An unbaked laminate for producing a front plate of a plasma display device having a glass substrate having a surface on which electrodes are formed, a dielectric layer formed on said surface, and spacer layers formed on said dielectric layer, said laminate consisting of:

a removable support film;

a photosensitive unbaked spacer material layer formed on said removable support film;

a burnable intermediate layer formed on said spacer material layer, said intermediate layer being water-soluble or water-swellaable; and

a removable protection film covering a surface of said laminate, said surface being on the other side of said removal support film.